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Preparation of epothilone derivatives - comprises substituting epothilone A, B, C or D at two carbon(s)

Patent Assignee: GES BIOTECHNOLOGISCHE FORSCHUNG MBH (GBFB)

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Patent Family:

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DE 19821954	A1	19981119	DE 1021954	A	19980515	199901 B

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Patent Details:

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Abstract (Basic): DE 19821954 A

Preparation of epothilone derivatives comprises: (a) substituting epothilone A, B, C or D at carbons 2 and 3 with -CH₂CHOH- or -CH=CH-, where an OH group or protected OH group is provided at positions 3 and 7; (b) oxidising position 16 into a keto group; (c1) exchanging the oxygen in the keto group using C₆H₅-P=CH₂ into a =CH₂- group, and optionally (d1) reacting the =CH₂- with a catalyst and R-CH=CH₂ to give =CH₂-R-, where R = an aliphatic residue, phenyl residue or a heterocyclic residue, especially a pharmaceutical residue, or (c2) exchanging carbon 16 and 17 for a -CH=CH₂ group, and optionally (d2) reacting this group using a metathesis to give -CH=CH-R-.

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Derwent Class: B02

International Patent Class (Main): C07D-493/04

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